**Objective**: To implement your application idea using JavaFX.

**Goal**: To use a JavaFX, a Model-View-Controller (MVC) wired framework, to accomplish your objective.

**GITHUB:** <https://github.com/Hitanshi06/ITMD510>

**Book Shop Management System**

**Abstract**

This project presents an efficient Book Shop Management System featuring user authentication, comprehensive data visualization, and intuitive functionalities for managing books and purchases.

* Secure Login: Users access the system through a secure login page requiring username and password credentials.
* Admin Dashboard: Upon successful login, the admin is presented with a dashboard displaying:
  + Visualizations:
    - Graphs showcasing available book quantities and total income.
    - Charts visualizing total customer data.
  + Available Books:
    - A detailed table listing book IDs, titles, authors, genres, published dates, and prices.
    - Functionality to add, update, clear, and delete book entries.
* Purchase Management:
  + Interface for adding books to purchase orders.
  + Option to specify the book title and quantity.
  + Integration with a payment gateway for secure transactions.

**Benefits:**

* Provides a centralized platform for managing book inventory and purchases.
* Offers insightful data visualizations for informed decision-making.
* Facilitates efficient book management through add, update, clear, and delete functions.
* Ensures secure transactions through integrated payment gateway.

**OUTPUTS:**

A screenshot of a login and a book

Description automatically generated**FIG 1 : ADMIN PAGE**

A screenshot of a computer

Description automatically generated

**FIG 2: DETAILS OF USERNAME AND PASSWORD**

A screenshot of a computer error message

Description automatically generated

**FIG 3: There would be a popup message if we enter the wrong the password**

A computer screen with a login screen

Description automatically generated

**FIG 4: Getting a popup message of successfully Login**

A screenshot of a computer

Description automatically generated

**FIG 5: HOMEPAGE which contains dashboard, Available book and purchase.**

A screenshot of a computer

Description automatically generated

**FIG 6: Available book section contain ADD, UPDATE , CLEAR AND DELETE**

A screenshot of a computer

Description automatically generated

**FIG 7: THIS IS ADDING THE BOOKS**

A screenshot of a computer

Description automatically generated

**FIG 8: Without filling any blank it won’t work**

A screenshot of a computer

Description automatically generated

**FIG 9: update the record**

A screenshot of a computer

Description automatically generated

**FIG 10: THIS IS PAYMENT SECTION**

**A screenshot of a computer

Description automatically generated**

**FIG 11: successful**

**FLOWCHART:**

A diagram of a software company

Description automatically generated